# Spring MVC Spring AU 2021

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### **Assignment:**

Create a Spring MVC application [properly MVC architecture] Order management application

API -> create order

API -> add Item

API -> view the items

API -> delete item

**API -> update item description (any field)** 

- -> Dependency injection wherever applicable
- -> Validations and error handling wherever applicable

Code has been attached as a separate folder

## **Endpoints:**

1. Create order

http://localhost:8080/api/order/create

**Sample Data:** 

```
"orderId" :1,
"itemList": [{
        "itemId" : 1,
        "itemName": "Demo",
        "itemDescription": "Demo desc",
        "itemQuantity": 10
},
{
        "itemId" : 2,
```

```
"itemName": "Demo 2",
    "itemDescription": "Demo desc ",
    "itemQuantity": 1
}]}
```

#### 2. Add Item

http://localhost:8080/api/order/addltem/{orderId}

### **Sample Data**

```
"itemId" : 3,
    "itemName": "Demo 3",
    "itemDescription": "Demo desc",
    "itemQuantity": 10
}
```

#### 3. View Items

## http://localhost:8080/api/order/getOrder/{orderId}

## Sample response data

#### 4. Delete Item

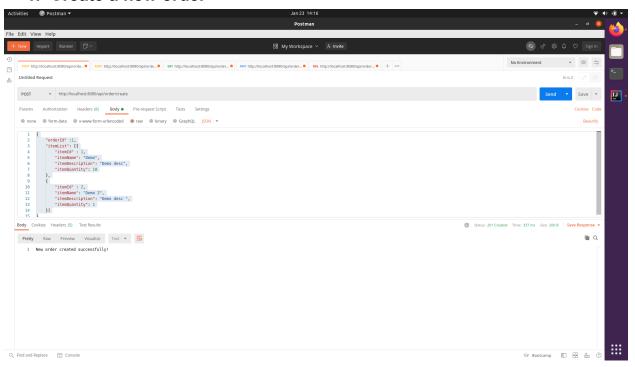
http://localhost:8080/api/order/deleteltem/{orderId}/{itemId}

## 5. Update Item quantity

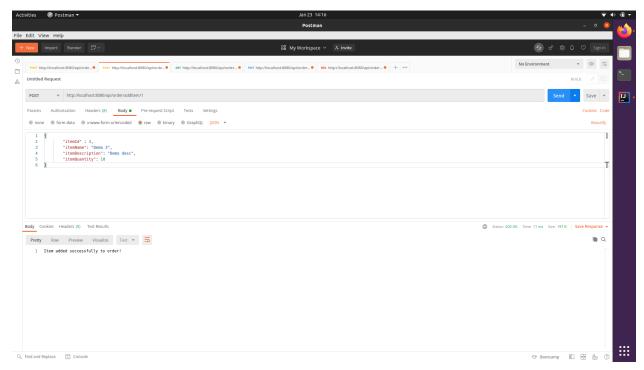
http://localhost:8080/api/order/updateItemQuantity/{orderId}/{itemId}/{newQuantity}

#### **Screenshots from Postman:**

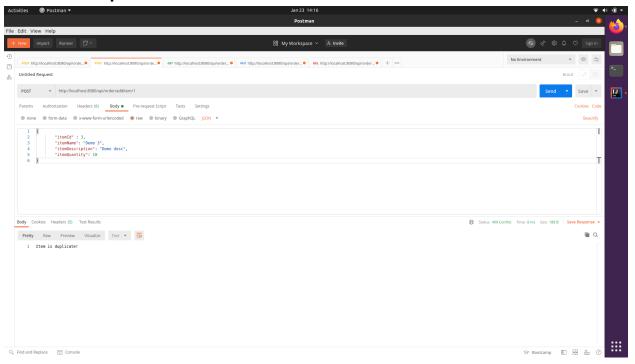
1. Create a new order



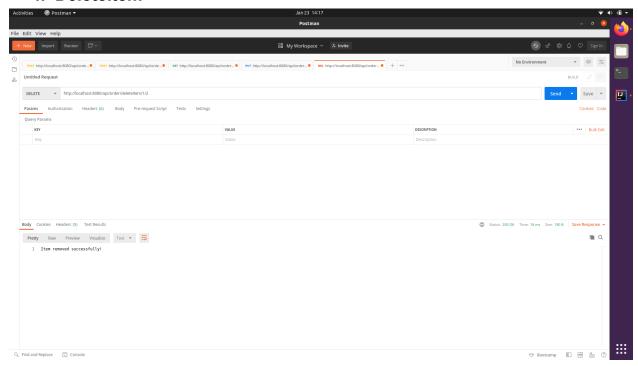
### 2. Add item



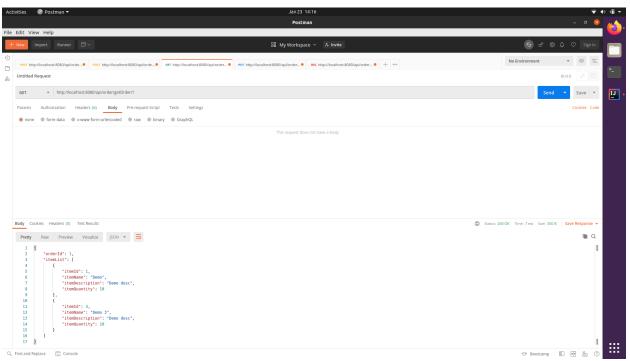
### 3. Add duplicate item



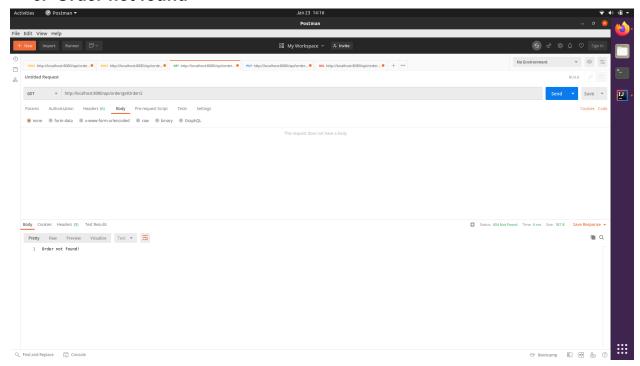
### 4. Deleteltem



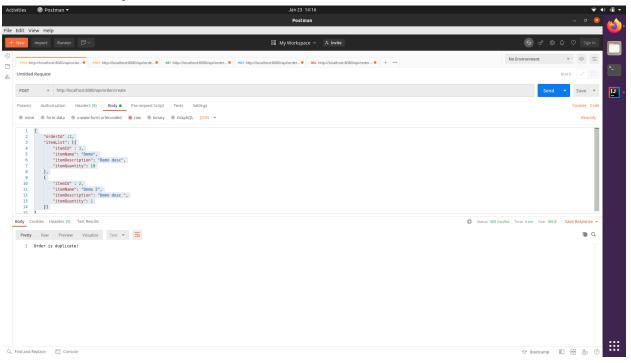
#### 5. Get Order



### 6. Order not found



## 7. Order duplicate



# 8. Update item quantity

